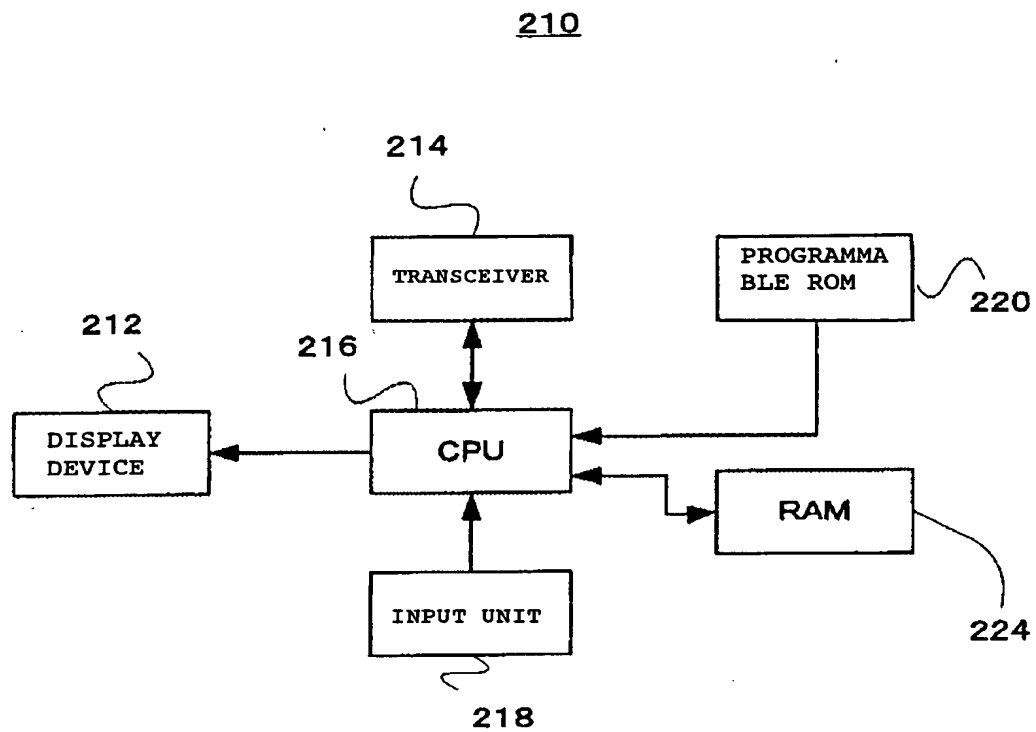


FIG. 1

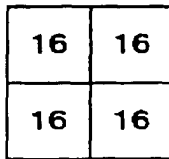
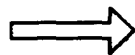
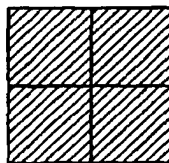
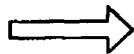


# FIG. 2

## <SIMPLE RESOLUTION CONVERSION STEP>

BEFORE PROCESS: ONE PIXEL

AFTER PROCESS: FOUR PIXELS



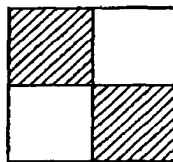
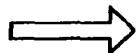
(GRAYSCALE VALUE:16)

(a)

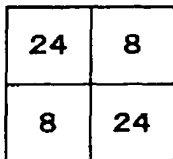
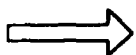
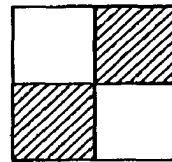
## <RESOLUTION CONVERSION+VIEWING ANGLE RANGE ADJUSTMENT>

BEFORE PROCESS: ONE PIXEL

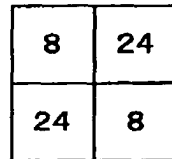
AFTER PROCESS: FOUR PIXELS



(OR)



(OR)

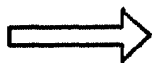
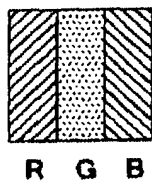


(b)

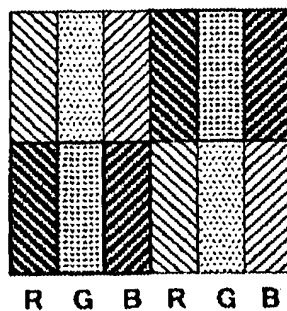
FIG. 3

<VIEWING ANGLE RANGE ADJUSTMENT FOR EACH RGB>

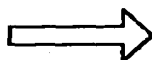
BEFORE PROCESS: ONE PIXEL



AFTER PROCESS: FOUR PIXELS



|     |     |     |
|-----|-----|-----|
| 127 | 127 | 127 |
|-----|-----|-----|

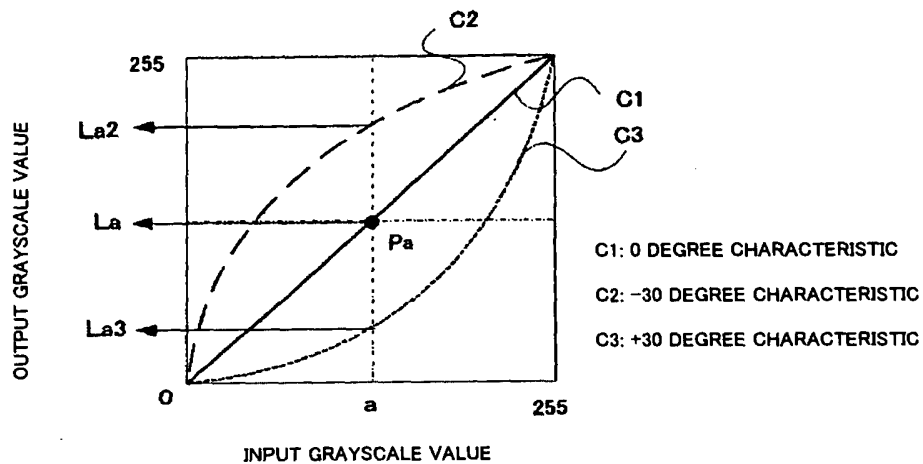


(GRAYSCALE VALUE: 127)

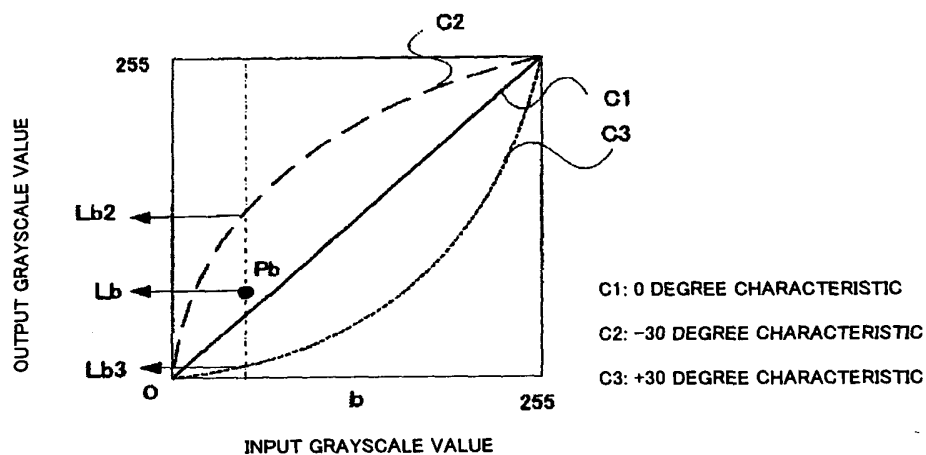
|     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|
| 64  | 68  | 70  | 192 | 190 | 188 |
| 188 | 186 | 184 | 62  | 64  | 66  |

# FIG. 4

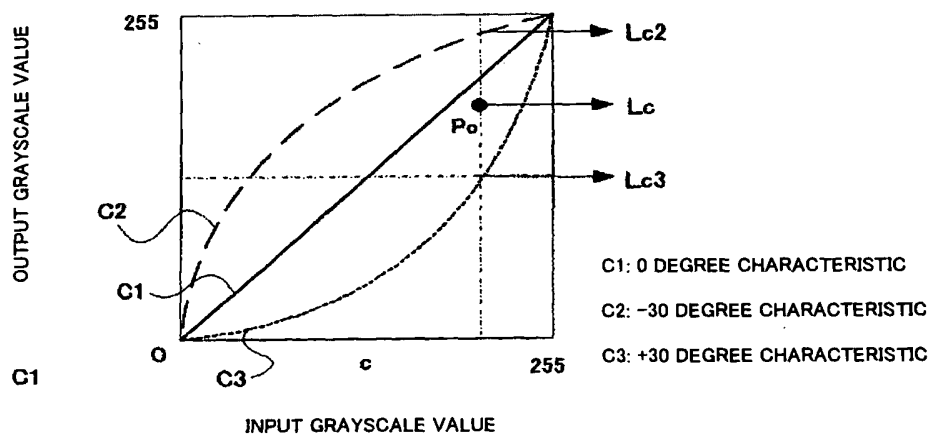
(a)



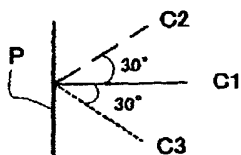
(b)



(c)



(d)

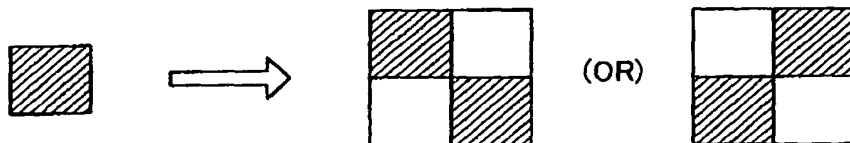


# FIG. 5

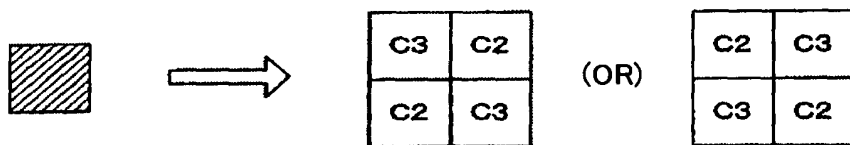
<VIEWING ANGLE RANGE ADJUSTMENT IN CONSIDERATION OF DISPLAY CHARACTERISTIC>

BEFORE PROCESS: ONE PIXEL

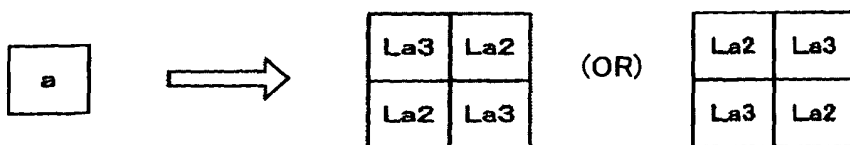
AFTER PROCESS: FOUR PIXELS



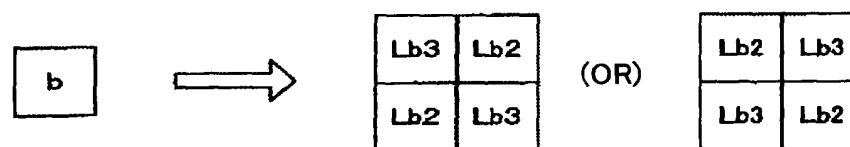
(a)



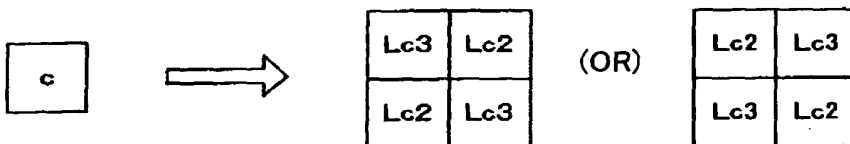
(b)



(c)



(d)



(e)

# FIG. 6

<PATTERN FOR IMPROVING VIEWING ANGLE RANGE>

(BEFORE PROCESS: ONE PIXEL)

(AFTER PROCESS: FOUR PIXELS)

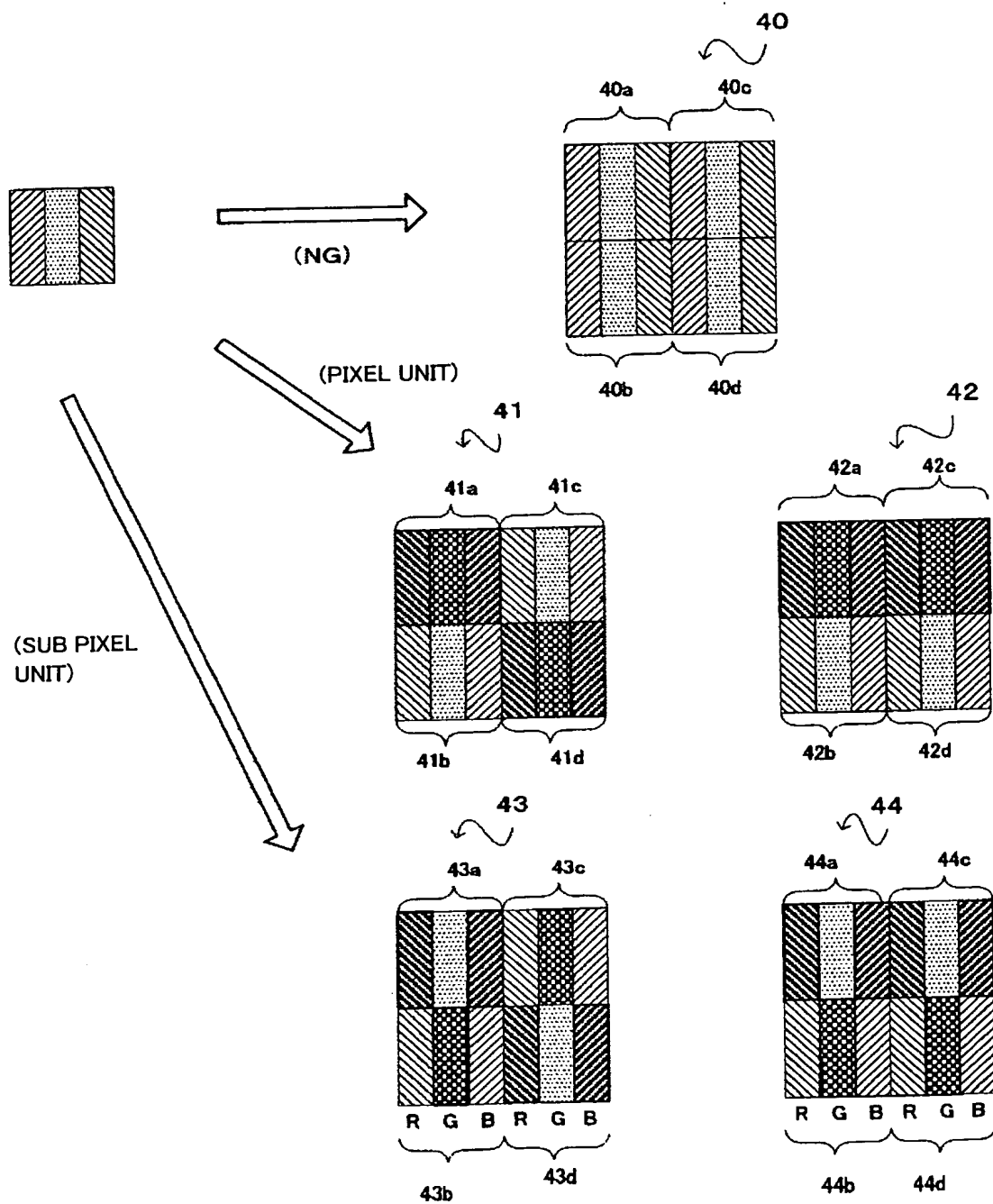


FIG. 7

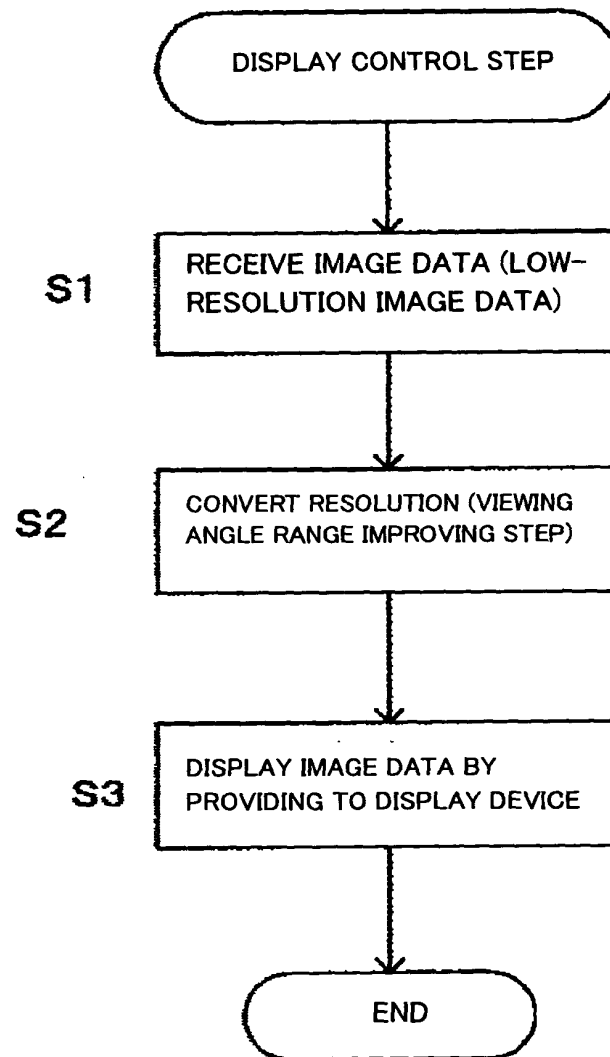


FIG. 8

